

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Larry S. Eoff, et al)	
)	Art Unit: Unknown
Serial No.:	Unknown)	
)	
Filed:	Concurrently Herewith)	Examiner: Unknown
)	
For:	Methods and Compositions)	
	For the Diversion of)	
	Aqueous Injection Fluids)	
	In Injection Operations)	

INFORMATION DISCLOSURE STATEMENT

COMMISSIONER FOR PATENTS
Alexandria, VA 22313-1450

SIR:

The following documents are known to Applicants or Applicants' attorneys and are submitted for the Examiner to consider in the above-captioned application.

U. S. PATENTS

U.S. Patent Number 2,863,832 issued 12/09/58 to Richard L. Perrine;

U.S. Patent Number 2,910,436 issued 10/27/59 to Irving Fatt Alhambra, et al;

U.S. Patent Number 3,215,199 issued 11/02/65 to Richard E. Dilgren;

U.S. Patent Number 3,297,090 issued 01/10/67 to Richard E. Dilgren;

U.S. Patent Number 3,441,085 issued 04/29/69 to John L. Gidley;

U.S. Patent Number 4,532,052 issued 07/30/85 to Jimmie D. Weaver, et al;

U.S. Patent Number 5,944,106 issued 08/31/99 to Eldon D. Dalrymple, et al;

U.S. Patent Number 5,972,848 issued 10/26/99 to Annie Audibert, et al;

U.S. Patent Number 6,070,664 issued 06/06/00 to Eldon D. Dalrymple, et al;
U.S. Patent Number 6,476,169 issued 11/05/02 to Larry S. Eoff, et al;
U.S. Patent Number 6,497,283 issued 12/24/02 to Larry S. Eoff, et al;
U.S. Patent Number 6,569,983 issued 05/27/03 to Duane Treybig, et al;
U.S. Patent Number 6,476,983 filed on 06/29/00 to David D. Devore, et al;
U.S. Serial Number 10/236,722 filed on 09/06/02 to Larry S. Eoff, et al;
U.S. Serial Number 10/375,787 filed on 02/27/03 to Larry S. Eoff, et al;
U.S. Serial Number 10/763,800 filed on 01/24/04 to Larry S. Eoff, et al;
U.S. Patent Number 3,307,630 issued on 03/07/67 to Richard E. Dilgren, et al;
U.S. Patent Number 3,251,415 issued on 05/17/66 to C.C. Bombardieri, et al;
U.S. Patent Number 6,364,016 issued on 04/02/02 to Eldon D. Dalrymple, et al;
U.S. Patent Number 5,271,466 issued on 12/21/93 to Weldon M. Harms;
U.S. Patent Number 5,735,349 issued on 04/07/98 to Jeffrey C. Dawson, et al;
U.S. Patent Number 6,228,812 issued on 05/08/01 to Jeffrey C. Dawson, et al; and
U.S. Patent Number 6,283,210 issued on 09/04/01 to Mohamed Yousef Soliman, et al.

FOREIGN PATENT

PCT No. WO 02/097236 published on 12/05/02 to Luisa Chiappa, et al.

OTHER PRIOR ART

INIKORI, SOLOMON OVUEFERAYE, "Numerical Study of Water Coning Control with Downhole Water Sink (DWS) Well Completions in Vertical and Horizontal Wells," A Dissertation, August 2002, title page, contents, abstract and pp. 17-18, The Department of Petroleum Engineering;

HALLIBURTON, 2001 Press Release, "First Halliburton H2Zero™ Conformance Solution Job Performed for a Producing Well in Egypt," www.halliburton.com/news/archives/2001esgnws_111901.jsp, November 19, 2001, 2 pp.;

HALLIBURTON, 2001 Press Release, "Halliburton Performs First H2Zero™ Conformance Solution Job in North America," www.halliburton.com/news/archives/2001esgnws_082201.jsp, August 22, 2001, 2 pp.;

HALLIBURTON, 2001 Press Release, "Halliburton Technology Uses Revolutionary Polymer System to Control Unwanted Water Production," www.halliburton.com/news/archives/2001lesgnws_053101.jsp, May 31, 2001, 2 pp.;

BJ SERVICES COMPANY, Aquacon, 08/01/01, 2 pp.;

BJ SERVICES COMPANY, Aquatrol 1, 12/14/00, 2 pp.;

EOFF, LARRY ET AL, "Structure and Process Optimization for the Use of a Polymeric Relative-Permeability Modifier in Conformance Control," SPE eLibrary paper no. 64985, 2001 Copyright, 2 pp.;

BOTERMANS, C. WOUTER ET AL. "Relative Permeability Modifiers: Myth or Reality?" SPE eLibrary paper no. 68973, 2001 Copyright, 2 pp.; and

BJ SERVICES COMPANY, Aquacon, 08/01/01, 2 pp.

Copies of the aforementioned references and Form PTO-1449 are submitted herewith.

Respectfully submitted,



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PTO-1449				Application No.		Applicant(s) Eoff, et al.		
Information Disclosure Citation in an Application				Docket Number HES 2001-IP-005267U1P2		Group Art Unit Unassigned		Filing Date
U.S. PATENT DOCUMENTS								
		DOCUMENT NO.	ISSUE/PUB. DATE	NAME	CLASS	SUBCLASS	FILING DATE	
	1	2,863,832	12/09/58	PERRINE	507	267	05/14/54	
	2	2,910,436	10/27/59	ALHAMBRA, ET AL.	166	307	10/02/53	
	3	3,215,199	11/02/65	DILGREN	166	250.01	02/21/63	
	4	3,297,090	01/10/67	DILGREN	166	300	04/24/64	
	5	3,441,085	04/29/69	GIDLEY	166	307	09/07/67	
	6	4,532,052	07/30/85	WEAVER, ET AL.	252	8.55 R	08/25/82	
	7	5,944,106	08/31/99	DALRYMPLE, ET AL.	166	281	08/06/97	
	8	5,972,848	10/26/99	AUDIBERT, ET AL.	507	119	10/15/96	
	9	6,070,664	06/06/00	DALRYMPLE, ET AL.	166	281	02/12/98	
	10	6,476,169	11/05/02	EOFF, ET AL.	523	307.2	09/28/00	
	11	6,497,283	12/24/02	EOFF, ET AL.	166	293	11/19/01	
	12	6,569,983	05/27/03	TREYBIG, ET AL.	528	102	12/20/01	
	13	10/236,722		EOFF, ET AL.			09/06/02	
	14	10/375,787		EOFF, ET AL.			02/27/03	
	15	10/763,800		EOFF, ET AL.			01/24/04	
	16	6,476,283	11/05/02	DEVORE, ET AL.	585	250	06/29/00	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No
	17	WO 02/097236	12/05/02	PCT	E21B	43/02	X	
NON-PATENT DOCUMENTS								
		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)						
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.								

PTO-1449 Information Disclosure Citation in an Application			Application No.		Applicant(s) Eoff, <i>et al.</i>		
			Docket Number 2001-IP-005267U1P2		Group Art Unit	Filing Date	

U.S. PATENT DOCUMENTS							
		DOCUMENT NO.	ISSUE/ PUB. DATE	NAME	CLASS	SUBCLASS	FILING DATE
	17	3,307,630	03/07/67	Dilgren, et al	166	38	06/12/64
	18	3,251,415	05/17/66	Bombardier, et al	166	42	04/01/65
	19	6,364,016	04/02/02	Dalrymple, et al	166	270	10/26/00
	20	5,271,466	12/21/93	Harms	166	300	10/30/92
	21	5,735,349	04/07/98	Dawson, et al	166	295	08/16/96
	22	6,228,812	05/08/01	<i>Dawson, et al</i>	507	221	04/05/99
	23	6,283,210	09/04/01	Soliman, et al	166	270	09/01/99

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No

NON-PATENT DOCUMENTS			
		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	
	24	INIKORI, SOLOMON OVUEFERAYE, "Numerical Study of Water Coning Control with Downhole Water Sink (DWS) Well Completions in Vertical and Horizontal Wells," A Dissertation, August 2002, title page, contents, abstract and pp. 17-18, The Department of Petroleum Engineering	
	25	HALLIBURTON, 2001 Press Release, "First Halliburton H2Zero™ Conformance Solution Job Performed for a Producing Well in Egypt," www.halliburton.com/news/archives/2001esgnws_111901.jsp , November 19, 2001, 2 pp.	
	26	HALLIBURTON, 2001 Press Release, "Halliburton Performs First H2Zero™ Conformance Solution Job in North America," www.halliburton.com/news/archives/2001esgnws_082201.jsp , August 22, 2001, 2 pp.	
	27	HALLIBURTON, 2001 Press Release, "Halliburton Technology Uses Revolutionary Polymer system to Control Unwanted Water Production," www.halliburton.com/news/archives/2001esgnws_053101.jsp , May 31, 2001 2 pp.	
	28	BJ SERVICES COMPANY, Aquacon, 08/01/01, 2 pp.	
	29	BJ SERVICES COMPANY, Aquatrol 1, 12/14/00, 2 pp.	
	30	EOFF, LARRY ET AL., "Structure and Process Optimization for the Use of a Polymeric Relative-Permeability Modifier in Conformance Control," SPE eLibrary paper no. 64985, 2001 Copyright, 2 pp.	
	31	BOTERMANS, C. WOUTER ET AL. "Relative Permeability Modifiers: Myth or Reality?" SPE eLibrary paper no. 68973, 2001 copyright, 2 pp.	
	32	BJ SERVICES COMPANY, Aquacon, 08/01/01, 2 pp.	

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